SCCSID = stage_import_input.man v1.1 02/15/03

Prepared by: Alaa Ali
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Hydrologic Systems Modeling Division

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SOUTH FLORIDA WATER MANAGEMENT MODEL V5.0
INPUT MAN PAGE FOR

stage_import_specs.dat == header information for daily import file for wcas.
This file contains information pertaining to target (trigger) locations to import (or export flow) to (or from) WCAs and the Park (unit no. 105) read in gen_model_def_param.dat

COLUMNS	VARIABLE NAME	FORMAT	DESCRIPTION
1. READ THIS RECORD ONLY IF (wca_import_variation .ne. 'DAILY') i.e., time series is only one value that is invariant with time (e.g., a threshold value)			
..-..	ntotal_no_import_areas_const	Free	Total number of import areas constant
2	READ THIS RECORD IF RECORD 1 IS TRUE		
2.1	IMPORT THRESHOLD VALUES INFORMATION for IMPORT AREA #1		
..-..	import_area_name(1)	Free	Name of import area #1
..-..	nmpts_wca(1)	Free	# grids within import area #1
..-..	icol_stg(1,1)	Free	Column of grid #1 for import area #1
..-..	irow_stg(1,1	Free	Row of grid #1 for import area #1
..-..	rimport_stage(1,1)	Free	Threshold value for grid cell # 1 for import area #1
..-..	icol_stg(1,2)	Free	Column of grid #2 for import area #1
..-..	irow_stg(1,2)	Free	Row of grid #2 for import area #1
..-..	rimport_stage(1,2)	Free	Threshold value for grid # 2 for import area #1
..-..	icol_stg(1,nmpts_wca(1))	Free	Column of grid # nmpts_wca(1) for import area #1
..-..	irow_stg(1,nmpts_wca(1))	Free	Row of grid # nmpts_wca(1) for import area #1
..-..	rimport_stage(1,nmpts_wca(1))	Free	Threshold value for grid # nmpts_wca(1) for import area #1
2.2	IMPORT THRESHOLD VALUES INFORMATION for IMPORT AREA #2		
..-..	import_area_name(2)	Free	Name of import area #2
..-..	nmpts_wca(2)	Free	# grids within import area #2

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..-..   icol_stg(1,1)                  Free    Column of grid #1 for import area #2
..-..   irow_stg(1,1)                  Free    Row of grid #1 for import area #2
..-..   rimport_stage(1,1)             Free    Threshold value for grid cell # 1 for import area #2

..-..   icol_stg(1,2)                  Free    Column of grid #2 for import area #2
..-..   irow_stg(1,2)                  Free    Row of grid #2 for import area #2
..-..   rimport_stage(1,2)             Free    Threshold value for grid # 2 for import area #2


..-..   icol_stg(1,nmpts_wca(2))       Free    Column of grid # nmpts_wca(1) for import area #2
..-..   irow_stg(1,nmpts_wca(2))       Free    Row of grid # nmpts_wca(1) for import area #2
..-..   rimport_stage(1,nmpts_wca(2))  Free    Threshold value for grid # nmpts_wca(1) for import area #2
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2.ntotal_no_import_areas_const          IMPORT THRESHOLD VALUES INFORMATION for IMPORT AREA
                                        #ntotal_no_import_areas_const
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..-..   import_area_name(
        ntotal_no_import_areas_const)   Free    Name of import area #ntotal_no_import_areas_const
..-..   nmpts_wca(
        ntotal_no_import_areas_const)   Free    # grids within import area #ntotal_no_import_areas_const
..-..   icol_stg(1,
        ntotal_no_import_areas_const)   Free    Column of grid #1 for import area #ntotal_no_import_areas_const
..-..   irow_stg(1,
        ntotal_no_import_areas_const)   Free    Row of grid #1 for import area #ntotal_no_import_areas_const
..-..   rimport_stage(1,
        ntotal_no_import_areas_const)   Free    Threshold value for grid cell # 1 for import area
                                                #ntotal_no_import_areas_const

..-..   icol_stg(1,
        ntotal_no_import_areas_const)   Free    Column of grid #2 for import area #ntotal_no_import_areas_const
..-..   irow_stg(1,
        ntotal_no_import_areas_const)   Free    Row of grid #2 for import area #ntotal_no_import_areas_const
..-..   rimport_stage(1,
        ntotal_no_import_areas_const)   Free    Threshold value for grid # 2 for import area
                                                #ntotal_no_import_areas_const


..-..   icol_stg(1,nmpts_wca(
        ntotal_no_import_areas_const))  Free    Column of grid # nmpts_wca(1) for import area
..-..   irow_stg(1,nmpts_wca(                   #ntotal_no_import_areas_const
        ntotal_no_import_areas_const))  Free    Row of grid # nmpts_wca(1) for import area
..-..   rimport_stage(1,nmpts_wca(              #ntotal_no_import_areas_const
        ntotal_no_import_areas_const))  Free    Threshold value for grid # nmpts_wca(1) for import area
                                                #ntotal_no_import_areas_const
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3.	READ THIS RECORD IF RECORD 1 IS TRUE NAME OF IMPORT AREA CONSTANT #ntotal_no_import_areas_const+1		
..-..	import_area_name(ntotal_no_import_areas_const+1)		Name of import area #ntotal_no_import_areas_const+1
4. TARGET LOCATIONS AND AREAS USED AS ENVIORNMENTAL TRIGGER			
1-5	ngrid_cells_daily_total	I5	Total number of target locations input in import.nsm44
6-10	ntotal_no_import_areas	I5	Number of areas used as environmental triggers
2.1.1 INFORMATION FOR INFLOW TO AREA #1			
1-7	import_area_name(1)	A5, 2X	Name of AREA #1
8-12	n_offset_bkpts(1)	I5	Number of threshold depths relative to NSM target at area #1
13-18	offset(1,1)	F6.2	Threshold depths (ft) # 1
19-24	offset(1,2) * *	F6.2	Threshold depths (ft) # 2
..-..	offset(1,n_offset_bkpts(1))	F6.2	Threshold depths (ft) # n_offset_bkpts(1)
..-..	ngrid_cells_daily(1)	I5	Number of individual target locations used as triggers for inflow. 0 means no ENv. WS deliveries will be made to area
..-..	ngage_index_env(1,1,1)	I5	Column number (after the date column) in "import.nsm44" file for the stage target time series for individual target location #1, Area #1
	icol_cell_wca_daily(1,1)	I5	Grid column location for individual target location #1 and Area #1
	irow_cell_wca_daily(1,1)	I5	Grid row location for individual target location #1 and Area #1
..-..	ngage_index_env(1,2,1)	I5	Column number (after the date column) in "import.nsm44" file for the stage target time series for individual target location #2, Area #1
	icol_cell_wca_daily(1,2)	I5	Grid column location for individual target location #2 and Area #1
	irow_cell_wca_daily(1,2)	I5	Grid row location for individual target location #2, Area #1
..-..	ngage_index_env(1, ngrid_cells_daily(1),1)	I5	Column number (after the date column) in "import.nsm44" file for the stage target time series for individual target location # ngrid_cells_daily(1) and Area #1
	icol_cell_wca_daily(1, ngrid_cells_daily(1))	I5	Grid column location for individual target location # ngrid_cells_daily(1) and Area #1
	irow_cell_wca_daily(1, ngrid_cells_daily(1))	I5	Grid row location for individual target locatio # ngrid_cells_daily(1) and Area #1
2.1.2 INFORMATION FOR OUTFLOW FROM AREA #1(AREA NAME and NUMBER OF THRESHOLD DEPTHS ARE THE SAME AS INFLOW TO AREA)			
13-18	offset_out(1,1)	12X, F6.2	Threshold depths (ft) # 1
19-24	offset_out(1,2) *	F6.2	Threshold depths (ft) # 2

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..-..   ngrid_cells_daily_out(1)        I5      Number of individual target locations used as triggers for outflow.
                                                 0 targets means no ENv. WS deliveries will be made to area
..-..   ngage_index_env(1,1,2)          I5      Column number (after the date column) in "import.nsm44" file for the
                                                 stage target time series for individual target location #1, AREA #1
        icol_cell_wca_daily_out(1,1)    I5      Grid column location for individual target location #1, AREA #1
        irow_cell_wca_daily_out(1,1)    I5      Grid row location for individual target location #1, AREA #1

..-..   ngage_index_env(1,2,2)          I5      Column number (after the date column) in "import.nsm44" file for the
                                                 stage target time series for individual target location #2, AREA #1
        icol_cell_wca_daily_out(1,2)    I5      Grid column location for individual target location #2, AREA #1
        irow_cell_wca_daily_out(1,2)    I5      Grid row location for individual target location #2, AREA #1



..-..   ngage_index_env(1,              I5      Column number (after the date columns) in "import.nsm44" file for
        ngrid_cells_daily(1),2)                 the stage target time series for individual target location
                                                # ngrid_cells_daily(1), AREA #1
        icol_cell_wca_daily__out(1,     I5      Grid column location for individual target location
        ngrid_cells_daily(1))                   # ngrid_cells_daily(1), AREA #1
        irow_cell_wca_daily__out(1,     I5      Grid row location for individual target locatio
        ngrid_cells_daily(1))                   # ngrid_cells_daily(1), AREA #1
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2.2.1  INFORMATION FOR INFLOW TO AREA #2
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1-7     import_area_name(2)             A5, 2X  Name of AREA #2
8-12    n_offset_bkpts(2)               I5      Number of threshold depths relative to NSM target at area #2
13-18   offset(2,1)                     F6.2    Threshold depths (ft) # 1
19-24   offset(2,2)                     F6.2    Threshold depths (ft) # 2
          *
          *
..-..   offset(2,n_offset_bkpts(2))     F6.2    Threshold depths (ft) # n_offset_bkpts(2)
..-..   ngrid_cells_daily(2)            I5      Number of individual target locations used as triggers for inflow.
                                                 0 targets means no ENv. WS deliveries will be made to area
..-..   ngage_index_env(2,1,1)          I5      Column number (after the date column) in "import.nsm44" file for the
                                                 stage target time series for individual target location #1, Area #2
        icol_cell_wca_daily(2,1)        I5      Grid column location for individual target location #1, Area #2
        irow_cell_wca_daily(2,1)        I5      Grid row location for individual target location #1, Area #2

..-..   ngage_index_env(2,2,1)          I5      Column number (after the date column) in "import.nsm44" file for the
                                                 stage target time series for individual target location #2, Area #2
        icol_cell_wca_daily(2,2)        I5      Grid column location for individual target location #2, Area #2
        irow_cell_wca_daily(2,2)        I5      Grid row location for individual target location #2, Area #2



..-..   ngage_index_env(2,              I5      Column number (after the date columns) in "import.nsm44" file for
        ngrid_cells_daily(2),1)                 the target time series for individual target location
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                                          # ngrid_cells_daily(1),Area #2
       icol_cell_wca_daily(2,          I5      Grid column location for individual target location
       ngrid_cells_daily(2))                   # ngrid_cells_daily(1),Area #2
       irow_cell_wca_daily(2,          I5      Grid row location for individual target locatio
       ngrid_cells_daily(2))                   # ngrid_cells_daily(1),Area #2
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2.2.2  INFORMATION FOR OUTFLOW FROM AREA #2(AREA NAME and NUMBER OF THRESHOLD DEPTHS ARE THE SAME AS INFLOW TO AREA)
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13-18  offset_out(2,1)           12X, F6.2    Threshold depths (ft) # 1
19-24  offset_out(2,2)                F6.2    Threshold depths (ft) # 2
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..-..  ngrid_cells_daily_out(2)        I5      Number of individual target locations used as triggers for outflow.
                                               0 targets means no ENv. WS deliveries will be made to area
..-..  ngage_index_env(2,1,2)          I5      Column number (after the date column) in "import.nsm44" file for the
                                               stage target time series for individual target location #1, Area #2
       icol_cell_wca_daily_out(2,1)    I5      Grid column location for individual target location #1, Area #2
       irow_cell_wca_daily_out(2,1)    I5      Grid row location for individual target location #1, Area #2

..-..  ngage_index_env(2,2,2)          I5      Column number (after the date column) in "import.nsm44" file for the
                                               stage target time series for individual target location #2, Area #2
       icol_cell_wca_daily_out(2,2)    I5      Grid column location for individual target location #2 and Area #2
       irow_cell_wca_daily_out(2,2)    I5      Grid row location for individual target location #2, Area #2



..-..  ngage_index_env(2,              I5      Column number (after the date column) in "import.nsm44" file for the
       ngrid_cells_daily(2),2)                 stage target time series for individual target location
                                               # ngrid_cells_daily(1) and Area #2
       icol_cell_wca_daily__out(2,     I5      Grid column location for individual target location
       ngrid_cells_daily(2))                   # ngrid_cells_daily(1) and Area #2
       irow_cell_wca_daily__out(2,     I5      Grid row location for individual target locatio
       ngrid_cells_daily(2))                   # ngrid_cells_daily(1) and Area #2
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2.ntotal_no_import_areas.1  INFORMATION FOR INFLOW TO AREA #ntotal_no_import_areas
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1-7    import_area_name(
       ntotal_no_import_areas)         A5, 2X  Name of AREA #ntotal_no_import_areas
8-12   n_offset_bkpts(
       ntotal_no_import_areas)         I5      Number of threshold depths relative to NSM target at area #2
13-18  offset(
       ntotal_no_import_areas,1)       F6.2    Threshold depths (ft) # 1
19-24  offset(
       ntotal_no_import_areas,2)       F6.2    Threshold depths (ft) # 2
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           *
..-..   offset(ntotal_no_import_areas
        ,n_offset_bkpts(
        ntotal_no_import_areas))        F6.2    Threshold depths (ft) # n_offset_bkpts(1)
..-..   ngrid_cells_daily(
        ntotal_no_import_areas)         I5      Number of individual target locations used as triggers for inflow.
                                                0 targets means no ENv. WS deliveries will be made to area
..-..   ngage_index_env(
        ntotal_no_import_areas,1,1)     I5      Column number (after the date columns) in "import.nsm44" file for
                                                the stage target time series for individual target location #1
                                                and Area #ntotal_no_import_areas

        icol_cell_wca_daily(
        ntotal_no_import_areas,1)       I5      Grid column location for individual target location #1
                                                and Area #ntotal_no_import_areas

        irow_cell_wca_daily(
        ntotal_no_import_areas,1)       I5      Grid row location for individual target location #1
                                                and Area #ntotal_no_import_areas


..-..   ngage_index_env(
        ntotal_no_import_a              I5      target time series for individual target location #
ngrid_cells_daily(1)                            and Area #ntotal_no_import_areas
                                        I5      target time series for individual target location #2
                                                and Area #ntotal_no_import_areas
        icol_cell_wca_daily(
        ntotal_no_import_areas,2)       I5      Grid column location for individual target location #2
                                                and Area #ntotal_no_import_areas

        irow_cell_wca_daily(
        ntotal_no_import_areas,2)       I5      Grid row location for individual target location #2
                                                and Area #ntotal_no_import_areas



..-..   ngage_index_env(
        ntotal_no_import_areas,         I5      Column number (after the date columns) in "import.nsm44" file for
        ngrid_cells_daily(                      the stage target time series for individual target location
                                                # ngrid_cells_daily(1),and Area #ntotal_no_import_areas

        ntotal_no_import_areas),1)
        icol_cell_wca_daily(1,          I5      Grid column location for individual target location
        ngrid_cells_daily(1))                   # ngrid_cells_daily(ntotal_no_import_areas)
                                                and Area #ntotal_no_import_areas
        irow_cell_wca_daily(1,          I5      Grid row location for individual target locatio
        ngrid_cells_daily(1))                   # ngrid_cells_daily(ntotal_no_import_areas)
                                                and Area #ntotal_no_import_areas
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2.ntotal_no_import_areas.2  INFORMATION FOR OUTFLOW FROM AREA #ntotal_no_import_areas
                            (AREA NAME and NUMBER OF THRESHOLD DEPTHS ARE THE SAME AS INFLOW TO AREA)
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13-18   offset_out(1,1)            12X, F6.2    Threshold depths (ft) # 1
19-24   offset_out(1,2)                 F6.2    Threshold depths (ft) # 2
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           *
..-..   ngrid_cells_daily_out(1)        I5      Number of individual target locations used as triggers for outflow.
                                                 0 targets means no ENv. WS deliveries will be made to area
..-..   ngage_index_env(1,1,2)          I5      Column number (after the date columns) in "import.nsm44" file for
                                                 the stage target time series for individual target location #1
                                                 and Area #ntotal_no_import_areas
        icol_cell_wca_daily_out(1,1)    I5      Grid column location for individual target location #1
                                                 and Area #ntotal_no_import_areas
        irow_cell_wca_daily_out(1,1)    I5      Grid row location for individual target location #1
                                                 and Area #ntotal_no_import_areas

..-..   ngage_index_env(1,2,2)          I5      Column number (after the date columns) in "import.nsm44" file for
                                                 the stage target time series for individual target location #2
                                                 and Area #ntotal_no_import_areas
        icol_cell_wca_daily_out(1,2)    I5      Grid column location for individual target location #2 and
                                                 Area #ntotal_no_import_areas
        irow_cell_wca_daily_out(1,2)    I5      Grid row location for individual target location #2 and
                                                 Area #ntotal_no_import_areas



..-..   ngage_index_env(1,             I5      Column number (after the date columns) in "import.nsm44" file for
        ngrid_cells_daily(1),2)                  the stage target time series for individual target location
                                                 # ngrid_cells_daily(1) and Area #ntotal_no_import_areas
        icol_cell_wca_daily__out(1,     I5      Grid column location for individual target location
        ngrid_cells_daily(1))                    # ngrid_cells_daily(1) and Area #ntotal_no_import_areas
        irow_cell_wca_daily__out(1,     I5      Grid row location for individual target locatio
        ngrid_cells_daily(1))                    # ngrid_cells_daily(1) and Area #ntotal_no_import_areas
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END OF DESCRIPTION FOR INPUT FILE "stage_import_specs.dat"
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